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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1

of 11

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

O I P E

PATENT & TRADEMARK OFFICE

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CSN	196	6,150,091		Pandolfo et al.	11-21-2000	_____
	1	6,057,367		Stamler et al.	05-02-2000	_____
	2	5,958,683		Snow	09-28-1999	_____
	3	5,955,317		Suzuki et al.	09-21-1999	_____
	4	5,955,079		Mond et al.	09-21-1999	_____
	5	5,877,399		Hsiao et al.	03-02-1999	_____
	6	5,869,093		Weiner et al.	02-09-1999	_____
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	8	5,854,204		Findels et al.	12-29-1998	_____
	9	5,851,998		Kline	12-22-1998	_____
	10	5,849,268		Weiner et al.	12-15-1998	_____
	11	5,837,473		Maggio et al.	11-17-1998	_____
	12	5,786,180		Konig et al.	07-28-1998	_____
	207	5,780,587		Potter	07-14-1998	_____
	13	5,753,624		McMichael et al.	05-19-1998	_____
	14	5,750,349		Suzuki et al.	05-12-1998	_____
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	15	5,733,547		Weiner et al.	03-31-1998	_____
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	181	5,270,165		Van Nostrand et al.	12-14-1993	_____
	28	5,231,000		Majocha et al.	07-27-1993	_____
	29	5,220,013		Ponte et al.	06-15-1993	_____

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheets

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of

11

C mplet If Kn wn

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

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CD	30	5,208,036	_____	Eppstein et al.	05-04-1993	_____
	31	5,192,753	_____	McGeer et al.	03-09-1993	_____
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
CD	35	EP	911 036	A2	_____	04-28-1999	_____	<input type="checkbox"/>
	36	EP	868 918	A2	_____	10-07-1998	_____	<input type="checkbox"/>
	37	EP	863 211	A1	_____	09-09-1998	_____	<input type="checkbox"/>
	38	EP	845 270	A1	_____	06-03-1998	_____	<input type="checkbox"/>
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	42	EP	652 962	B1	_____	12-16-1998	_____	<input type="checkbox"/>
	43	EP	639 081	B1	_____	11-03-1999	_____	<input type="checkbox"/>
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	45	EP	594 607	B1	_____	08-27-1997	_____	<input type="checkbox"/>
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	47	EP	528 511	B1	_____	05-28-1997	_____	<input type="checkbox"/>
	48	EP	508 785	B1	_____	03-15-2000	_____	<input type="checkbox"/>
	49	EP	451 700	A1	_____	10-18-1991	_____	<input type="checkbox"/>
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	51	EP	359 783	B1	_____	11-29-1995	_____	<input type="checkbox"/>
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	187	EP	783 104	A1	_____	07-09-1997	_____	<input type="checkbox"/>
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	188	PCT	00/43049	A1	_____	07-27-2000	_____	<input type="checkbox"/>
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	54	PCT	99/60021	A2	_____	11-15-1999	_____	<input type="checkbox"/>
	55	PCT	99/58564	A1	_____	11-18-1999	_____	<input type="checkbox"/>
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	57	PCT	99/27949	A1	_____	06-10-1999	_____	<input type="checkbox"/>
	58	PCT	99/27944	A1	_____	06-10-1999	_____	<input type="checkbox"/>

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STATEMENT BY APPLICANT

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Sheet 2

of 11

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - Nichols
Attorney Docket Number	15270J-004743US

59	PCT	99/27811	A1	08-10-1999	
203	PCT	99/00150	A2	01-07-1999	
60	PCT	98/44955	A1	10-15-1998	
61	PCT	98/07850	A2	02-26-1998	
202	PCT	97/21728	A1	08-19-1997	
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67	PCT	95/11894	A1	05-04-1995	
68	PCT	95/11311	A1	04-27-1995	
69	PCT	95/05853	A1	03-02-1995	
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74	PCT	93/18724	A1	09-02-1993	
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Sheet 4 of 11

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - NICHOLS
Attorney Docket Number	15270J-004743US

92	GB	2 220 211	A	=====	01-04-1990	=====	□
93	GB	2 335 192	A	=====	09-15-1999	=====	□



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5

of 11

Complete if Known	
Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned → NICHOLS
Attorney Docket Number	15270J-004743US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CGD	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?", <u>Neurology</u> , 45:1441-1445 (1995).	<input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <u>The Boston Globe</u> (4/13/95).	<input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α-2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).	<input type="checkbox"/>
	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <u>Eur. J. Immunol.</u> 29:345-354 (1999).	<input type="checkbox"/>
	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <u>Soc. for Neuroscience Abstracts</u> 18:764 (1992).	<input type="checkbox"/>
	178	BARD et al., "Peripherally administered antibodies against amyloid β-peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <u>Nature Medicine</u> , 6(8):916-919 (2000).	<input type="checkbox"/>
	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <u>New England J. Medicine</u> , 341(22):1694 (1999).	<input type="checkbox"/>
	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <u>Biochem. Biophys. Res. Comm.</u> , 171(2):890-897 (1990).	<input type="checkbox"/>
	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> , 19: 939-945 (1997).	<input type="checkbox"/>
	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <u>Cur. Opin. Genet. Develop.</u> , 3: 102-109 (1993).	<input type="checkbox"/>
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↓	214	DEMATTOS et al., "Peripheral Anti Aβ Antibody Alters CNS And Plasma Aβ Clearance and Decreases Brain Aβ Burden in a Mouse Model of Alzheimer's Disease," <u>Proc. Natl. Acad. Sci. USA</u> , 10.1073/pnas.151261398 (2001).	<input type="checkbox"/>
CGD	103	DUFF et al., "Mouse model made," <u>Nature</u> , 373: 476-477 (1995).	<input type="checkbox"/>

Examiner Signature

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104	ELIZAN et al., "Antineurofilament antibodies in a postencephalitic and idiopathic Parkinson's disease," <u>J. Neurol. Sciences</u> , 59:341-347 (1983). <input checked="" type="checkbox"/>
105	FELSENSTEIN et al., "Processing of the β -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <u>Neuroscience Letters</u> , 152:185-189 (1993). <input checked="" type="checkbox"/>
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107	FISHER et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <u>PNAS</u> , 88:1779-1782 (1991). <input checked="" type="checkbox"/>
108	FLANDERS et al., "Altered expression of transforming growth factor- β in Alzheimer's disease," <u>Neurology</u> , 45:1561-1569 (1995). <input checked="" type="checkbox"/>
210	FRIEDLAND et al., "Development of an anti- $A\beta$ monoclonal antibody for in vivo imaging of amyloid angiopathy in Alzheimer's disease," <u>Mol. Neurology</u> , 9:107-113 (1994). <input checked="" type="checkbox"/>
109	GAMES et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein," <u>Nature</u> , 373(6514): 523-527 (1995). <input checked="" type="checkbox"/>
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112	GLENN et al., "Skin immunization made possible by cholera toxin," <u>Nature</u> , 391: 851 (1998). <input checked="" type="checkbox"/>
113	GLENNER et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," <u>Biochemical and Biophysical Research Communications</u> , 120(3): 885-890 (1984). <input checked="" type="checkbox"/>
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115	GOATE et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <u>Nature</u> , 348:704-706 (1991). <input checked="" type="checkbox"/>
116	GOZES et al., "Neuroprotective strategy for Alzheimer disease: intranasal administration of a fatty neuropeptide," <u>PNAS</u> , 93:427-432 (1996). <input checked="" type="checkbox"/>
190	GRAVINA et al., "Amyloid β Protein ($A\beta$) in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 270(13):7013-7016 (1995). <input checked="" type="checkbox"/>
117	GUPTA et al., "Differences in the immunogenicity of native and formalized cross reacting material (CRM197) of diphtheria toxin in mice and guinea pigs and their implications on the development and control of diphtheria vaccine based on CRMs," <u>Vaccine</u> , 15(12/13): 1341-1343 (1997). <input checked="" type="checkbox"/>
118	HAGA et al., "Synthetic Alzheimer amyloid $\beta/A4$ peptides enhance production of complement C3 component by cultured microglial cells," <u>Brain Research</u> , 601:88-94 (1993). <input checked="" type="checkbox"/>

Examiner
Signature

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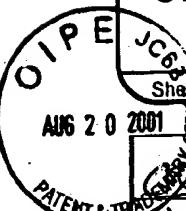
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Sheet

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C mpt te If Kn wn	
Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

AUG 20 2001



	119	HANES et al., "New advances in microsphere-based single-dose vaccines," <u>Advanced Drug Delivery Reviews</u> , 28: 97-119 (1997).	<input type="checkbox"/>
	120	HARDY, "Amyloid, the presenilins and Alzheimer's disease," <u>TINS</u> , 20(4): 154-159 (1997).	<input type="checkbox"/>
	121	HARDY, John, "New Insights into the Genetics of Alzheimer's Disease," <u>Annals of Med.</u> , 28:255-258 (1996).	<input type="checkbox"/>
	193	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of β / A4-protein," <u>Biochimica Biophysica Acta</u> , 1158:120-128 (1993).	<input type="checkbox"/>
	177	HELMUTH, L., "Further Progress on a β -Amyloid Vaccine," <u>Science</u> , 289:375 (2000).	<input type="checkbox"/>
	122	HSIAO et al., "Correlative Memory Deficits, $\text{A}\beta$ Elevation, and Amyloid Plaques in Transgenic Mice," <u>Science</u> , 274: 99-102 (1996).	<input type="checkbox"/>
	123	HUBERMAN et al., "Correlation of cytokine secretion by mononuclear cells of Alzheimer's patients and their disease stage," <u>J. Neuroimmunology</u> , 52:147-152 (1994).	<input type="checkbox"/>
	124	HYMAN et al., "Molecular Epidemiology of Alzheimer's Disease," <u>N. E. J. Medicine</u> , 333(19):1283-1284 (1995).	<input type="checkbox"/>
	125	ITAGAKI et al., "Relationship of microglia and astrocytes to amyloid deposits of Alzheimer's disease," <u>J. Neuroimmunology</u> , 24:173-182 (1989).	<input type="checkbox"/>
	192	IWATSUBO et al., "Visualization of $\text{A}\beta$ 42(43) and $\text{A}\beta$ 40 in Senile Plaques with End-Specific $\text{A}\beta$ Monoclonals: Evidence That an Initially Deposited Species Is $\text{A}\beta$ 42(43)," <u>Neuron</u> , 13:45-53 (1994).	<input type="checkbox"/>
	126	JANSEN et al., "Immunotoxins: Hybrid Molecules Combining High Specificity and Potent Cytotoxicity," <u>Immun. Rev.</u> , 62: 185-216 (1982).	<input type="checkbox"/>
	216	JOACHIM et al., "Antibodies to Non-beta Regions of the Beta-amyloid Precursor Protein Detect a Subset of Senile Plaques," <u>Am. J. of Pathology</u> 138:373-378 (1991).	<input type="checkbox"/>
	127	KALARIA, R. N., "Serum amyloid P and related molecules associated with the acute-phase response in Alzheimer's disease," <u>Res. Immunology</u> , 143:637-641 (1992).	<input type="checkbox"/>
	183	KATZAV-GOZANSKY et al., "Effect of monoclonal antibodies in preventing carboxypeptidase A aggregation," <u>Biotechnol. Appl. Biochem.</u> , 23:227-230 (1996).	<input type="checkbox"/>
	128	KAWABATA et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <u>Nature</u> , 354:476-478 (1991).	<input type="checkbox"/>
	195	KONIG et al., "Development and Characterization of a Monoclonal Antibody 369.2B Specific for the Carboxyl-Terminus of the β A4 Peptide," <u>Annals of NY Acad. Sci.</u> , 777:344-355 (1996).	<input type="checkbox"/>
	129	LAMPERT-ETCHELLS et al., "Regional Localization of Cells Containing Complement C1q and C4 mRNAs in the Frontal Cortex During Alzheimer's Disease," <u>Neurodegeneration</u> , 2:111-121 (1993).	<input type="checkbox"/>
	130	LANGER, "New Methods of Drug Delivery," <u>Science</u> , 249: 1527-1532 (1990).	<input type="checkbox"/>

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Complete if Known

Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned NICHOLS
Attorney Docket Number	15270J-004743US

O P I E
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131	LANNFELT et al., "Alzheimer's disease: molecular genetics and transgenic animal models," <u>Behavioural Brain Res.</u> , 57:207-213 (1993).	<input type="checkbox"/>
132	LEMERÉ et al., "Mucosal Administration of A β Peptide Decreases Cerebral Amyloid Burden In Pd-App Transgenic Mice," <u>Society for Neuroscience Abstracts</u> , vol. 25, part I, Abstract 519.6, 29th Annual Meeting, (October 23-28, 1999).	<input type="checkbox"/>
133	LIVINGSTON et al., "The Hepatitis B Virus-Specific CTL Responses Induced in Humans by Lipopeptide Vaccination Are Comparable to Those Elicited by Acute Viral Infection," <u>J. Immunol.</u> , 159: 1383-1392 (1997).	<input type="checkbox"/>
134	LOPEZ et al., "Serum auto-antibodies in Alzheimer's disease," <u>Acta Neurol. Scand.</u> , 84:441-444 (1991).	<input type="checkbox"/>
216	MAJOCHA et al., "Development of a Monoclonal Antibody Specific for β /A4 Amyloid in Alzheimer's Disease Brain for Application to In Vitro Imaging of Amyloid Angiopathy," <u>The J. of Nuclear Med.</u> , 33:2184-2189 (1992).	<input type="checkbox"/>
217	MASTERS et al., "Amyloid Plaque core protein in Alzheimer Disease and Down Syndrome," <u>Proc. Natl. Acad. Sci. USA</u> , 82:4245-4249 (1985).	<input type="checkbox"/>
135	MCGEE et al., "The encapsulation of a model protein in poly (D, L lactide-co-glycolide) microparticles of various sizes: an evaluation of process reproducibility," <u>J. Micro. Encap.</u> , 14(2): 197-210 (1997).	<input type="checkbox"/>
136	MEDA et al., "Activation of microglial cells by β -amyloid protein and interferon- γ ," <u>Nature</u> , 374:647-650 (1995).	<input type="checkbox"/>
137	MILLER et al., "Antigen-driven Bystander Suppression after Oral Administration of Antigens," <u>J. Exp. Med.</u> , 174:791-798 (1991).	<input type="checkbox"/>
206	MORI et al., "Mass Spectrometry of Purified Amyloid β Protein in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 267(24):17082-17088 (1992).	<input type="checkbox"/>
191	MURPHY et al., "Development of a Monoclonal Antibody Specific for the COOH-Terminal of β -Amyloid 1-42 and Its Immunohistochemical Reactivity in Alzheimer's Disease and Related Disorders," <u>Am. J. Pathology</u> , 144(5):1082-1088 (1994).	<input type="checkbox"/>
138	NATHANSON et al., "Bovine Spongiform Encephalopathy (BSE): Causes and Consequences of a Common Source Epidemic," <u>Am. J. Epidemiol.</u> , 145(11): 959-969 (June 1, 1997).	<input type="checkbox"/>
139	New York Times National, "Anti-Inflammatory Drugs May Impede Alzheimer's," (2/20/94).	<input type="checkbox"/>
140	PARESCHE et al., "Microglial cells influence aggregates of the Alzheimer's disease amyloid beta-protein via a scavenger receptor," <u>Neuron</u> , 17:553-565 (September 1996).	<input type="checkbox"/>
141	PAUL et al., "Transdermal immunization with large proteins by means of ultradeformable drug carriers," <u>Eur. J. Immunol.</u> , 25: 3521-3524 (1995).	<input type="checkbox"/>
142	PRIEELS et al., "Synergistic adjuvants for vaccines," <u>Chemical Abstracts</u> , 120(8): pg. 652, column 1, abstract 86406t (1994).	<input type="checkbox"/>
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144	RASO, V.A., Grant application # 1 R43 AG15746-01, (publication date unknown).	<input type="checkbox"/>

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Sheet

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Application Number 09/724,319

Filing Date November 27, 2000

First Named Inventor Dale B. Schenk

Group Art Unit 1647

Examiner Name Unassigned - NICHOLS

Attorney Docket Number 15270J-004743US

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146	ROGERS et al., "Complement activation by β -amyloid in Alzheimer Disease," <u>PNAS</u> , 89:1-5 (1992).	<input type="checkbox"/>
147	ROSSOR et al., "Alzheimer's Disease Families with Amyloid Precursor Protein Mutations," <u>Annals of New York Academy of Sciences</u> , 695:198-202 (1993).	<input type="checkbox"/>
209	RUDINGER, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," in <u>Peptide Hormones</u> , J.A. Parson, ed. University Park Press, Baltimore, pp 1-7 (1976).	<input type="checkbox"/>
189	SAIDO et al., "Spatial Resolution of Fodrin Proteolysis in Postischemic Brain," <u>J. Biol. Chem.</u> , 268(33):25239-25243 (1993).	<input type="checkbox"/>
194	SAIDO et al., "Spatial Resolution of the Primary β -Amyloidogenic Process Induced in Postischemic Hippocampus," <u>J. Biol. Chem.</u> , 269(21):15253-15257 (1994).	<input type="checkbox"/>
178	SCHENK et al., "Therapeutic Approaches Related to Amyloid- β Peptide and Alzheimer's Disease," <u>J. Med. Chem.</u> , 38(21):4141-4154 (1995).	<input type="checkbox"/>
148	SCHENK et al., "Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <u>Nature</u> , 400:173-177 (1999).	<input type="checkbox"/>
149	SELKOE, D.J., "Imaging Alzheimer's Amyloid," <u>Nat. Biotech.</u> , 18:823-824 (2000).	<input type="checkbox"/>
150	SELKOE, "Alzheimer's Disease: A Central Role for Amyloid," <u>J. Neuropathol. Exp. Neurol.</u> , 53(5): 438-447 (1994).	<input type="checkbox"/>
151	SELKOE, "Physiological production of the β -amyloid protein and the mechanism of Alzheimer's disease," <u>Trends in Neurosciences</u> , 16(10): 403-409 (1993).	<input type="checkbox"/>
152	SELKOE, Dennis J., "Amyloid Protein and Alzheimer's Disease.....," <u>Scientific American</u> , pgs. 68-78 (November, 1991).	<input type="checkbox"/>
153	SELKOE, Dennis J., "In the Beginning....," <u>Nature</u> , 354:432-433 (1991).	<input type="checkbox"/>
154	SELKOE, Dennis J., "The Molecular pathology of Alzheimer's Disease," <u>Neuron</u> , 6:487-498 (1991).	<input type="checkbox"/>
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157	SHIOSAKA, S., "Attempts to make models for Alzheimer's disease," <u>Neuroscience Res.</u> , 13:237-255 (1992).	<input type="checkbox"/>
158	SMITS et al., "Prion Protein and Scrapie Susceptibility," <u>Vet. Quart.</u> , 19(3): 101-105 (1997).	<input type="checkbox"/>

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Signature

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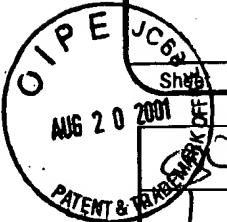
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10 of 11

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned - Nichols
Attorney Docket Number	15270J-004743US



159	SOLOMON et al., "Disaggregation of Alzheimer β -amyloid by site-directed mAb," <u>PNAS</u> , 94:4109-4112 (1997). <input type="checkbox"/>
160	SOLOMON et al., "Monoclonal antibodies inhibit <i>in vitro</i> fibrillar aggregation of the Alzheimer β -amyloid peptide," <u>PNAS</u> , 93:452-455 (1996). <input type="checkbox"/>
161	SOLOMON A. "Pro Rx (Protein Therapeutics)." University of Tennessee Medical Center (publication date unknown). <input type="checkbox"/>
162	SOLOMON, B., "New Approach Towards Fast Induction of Anti β-Amyloid Peptide Immune Response." Department of Molecular Microbiology & Biotechnology, Tel Aviv University, Ramat Aviv, Tel-Aviv, Israel (publication date unknown). <input type="checkbox"/>
182	SOLOMON et al., "Inhibitory effect of monoclonal antibodies on Alzheimer's β -amyloid peptide aggregation," <u>Int. J. Exp. Clin. Invest.</u> , 3:130-133 (1996). <input type="checkbox"/>
184	SOLOMON et al., "Thermal Stabilization of Carboxypeptidase A as a Function of PH and Ionic Milieu," <u>Biochem. Mol. Biol. Int.</u> , 43(3):801-811 (1997). <input type="checkbox"/>
185	SOLOMON et al., "Modulation of The Catalytic Pathway of Carboxypeptidase A by Conjugation with Polyvinyl Alcohols," <u>Adv. Mol. Cell Biology</u> , 15A:33-45 (1998). <input type="checkbox"/>
186	SOLOMON et al., "Activity of monoclonal antibodies in prevention of <i>in vitro</i> aggregation of their antigens." abstract from Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Tel Aviv, Israel (publication date unknown). <input type="checkbox"/>
179	SOUTHWICK et al., "Assessment of Amyloid β protein in Cerebrospinal fluid as an Aid in the Diagnosis of Alzheimer's Disease," <u>J. Neurochemistry</u> , 66:259-265 (1996). <input type="checkbox"/>
163	STOUTE et al., "A Preliminary Evaluation of a Recombinant Circumsporozoite Protein Vaccine Against <i>Plasmodium Falciparum Malaria</i> ," <u>N. Engl. J. Med.</u> , 336(2): 86-91 (1997). <input type="checkbox"/>
164	STURCHLER-PIERRAT et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <u>PNAS</u> , 94: 13287-13292 (1997). <input type="checkbox"/>
165	TANAKA et al., "NC-1900, an active fragment analog of arginine vasopressin, improves learning and memory deficits induced by beta-amyloid protein in rats," <u>European J. Pharmacology</u> , 352:135-142 (1998). <input type="checkbox"/>
166	TRIEB et al., "Is Alzheimer beta amyloid precursor protein (APP) an autoantigen? Peptides corresponding to parts of the APP sequence stimulate T lymphocytes in normals, but not in patients with Alzheimer's disease," <u>Immunobiology</u> , 191(2-3):114-115 Abstract C.37, (1994). <input type="checkbox"/>
167	VAN GOOL et al., "Concentrations of amyloid- β protein in cerebrospinal fluid increase with age in patients free from neurodegenerative disease," <u>Neuroscience Letters</u> , 172:122-124 (1994). <input type="checkbox"/>
168	VERBEEK et al., "Accumulation of Intercellular Adhesion Molecule-1 in Senile Plaques in Brain Tissue of patients with Alzheimer's Disease," <u>Amer. Jour. Pathology</u> , 144(1):104-116 (1994). <input type="checkbox"/>
169	WALKER et al., "Labeling of Cerebral Amyloid <i>In Vivo</i> with a Monoclonal Antibody," <u>J. Neuropath. Exp. Neurology</u> , 53(4):377-383 (1994). <input type="checkbox"/>
180	WEINER et al., "ORAL TOLERANCE: Immunologic Mechanisms and Treatment of Animal and Human Organ-Specific Autoimmune Diseases by Oral Administration of Autoantigens," <u>Annu. Rev. Immunol.</u> , 12:809-837 (1994). <input type="checkbox"/>
170	WEISSMANN et al., "Bovine spongiform encephalopathy and early onset variant Creutzfeldt-Jakob disease," <u>Curr. Opin. Neurobiol.</u> , 7: 895-700 (1997). <input type="checkbox"/>

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Examiner Signature	<i>G. Nichols</i>	Date Considered	4/14/04
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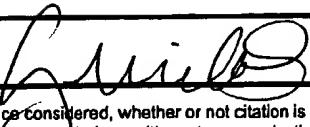
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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Unassigned N (47045)

Attorney Docket Number 15270J-004743US

AUG 20 2000 PATENT & TRADEMARKS [Signature]	171	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <u>J. Food Drug Analysis</u> , 6(2):485-476 (1998). <input type="checkbox"/>
	172	WENGENACK et al., "Targeting Alzheimer amyloid plaques in vivo," <u>Nature Biotech.</u> , 18:868-824 (2000). <input type="checkbox"/>
	219	WONG et al., "Neuritic Plaques and Cerebrovascular Amyloid in Alzheimer Disease are Antigenically Related," <u>Proc. Natl. Acad. Sci. USA</u> , 82:8729-8732 (1985). <input type="checkbox"/>
	173	WOOD et al., "Amyloid precursor protein processing and Aβ42 deposition in a transgenic mouse model of Alzheimer disease," <u>PNAS</u> , 94: 1550-1555 (1997). <input type="checkbox"/>
	174	Human Immunology & Cancer Program brochure, from The University of Tennessee Medical Center/Graduate School of Medicine, Knoxville, Tennessee (publication date unknown). <input type="checkbox"/>

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Sheet

1 of 8

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Tanner, Sheron NICHOLS
Attorney Docket Number	15270.J-004743US

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cita No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
CP	287	6,294,171	B2	McMichael	08-25-2001	_____
	234	6,284,221	B1	Schenk, et al.	08-04-2001	_____
	300	2001/0018058	A1	McMichael	08-30-2001	_____
	230	6,262,335	B1	Hsiao et al.	07-17-2001	_____
↓	231	6,114,133		Seubert et al.	08-05-2000	_____
CP	221	5,969,566		Cobb et al.	11-23-1999	_____
CP	284	5,231,170		Averbach	07-27-1993	_____
	343	56168,564		Chenopri et al.	N/A	_____
	282	66/169,987		Chapin	N/A	_____
	256	66/184,601		Holtzman et al.	N/A	_____
	259	60/188,295		Rosenquist et al.	N/A	_____
	290	66/254,483		Holtzman et al.	N/A	_____
	297	66/254,483		Holtzman et al.	N/A	_____
	203	66/141,140		Solomon et al.	N/A	_____

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CP	243	PCT	01/39798	A2	_____	08-07-2001	_____
	298	PCT	01/42308	A2	_____	08-14-2001	_____
	601	PCT	01/82284	A2	_____	03-01-2000	_____
	294	PCT	01/82801	A2	_____	08-30-2001	_____
↓	240	PCT	00/43039	A1	_____	07-27-2000	_____
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Sheet 2 of 6

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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Turner, Sharon NICHOLS
Attorney Docket Number	15270J-00473US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CSN	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <i>J. Mol. Biol.</i> , 226(4): 1075-1083 (1992).	—
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✓	288	DUMERY et al., " β -Amyloid protein aggregation: its implication in the physiopathology of Alzheimer's disease," <i>Pathol. Biol.</i> , 49:72-85 (2001).	—
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Examiner Signature	<i>Schenk</i>	Date Considered	4/14/04
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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Turner, Sharon NICHOLS
Attorney Docket Number	15270J-004743US

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CS	241	HAASS et al., "Amyloid beta-peptide is produced by cultured cells during normal metabolism," <i>Nature</i> , 398(6733):322-5 (1992).	

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Date Considered

4/14/04

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Application Number

09/724,319

Filing Date

November 27, 2000

First Named Inventor

Schenk, Dale B.

Group Art Unit

1647

Examiner Name

Turner, Sharon NJ HCS

Attorney Docket Number

15270J-004743US

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CB	255	HARIGAYA, et al., "Modified amyloid β protein ending at 42 or 40 with different solubility accumulates in the brain of Alzheimer's disease," <i>Biochem. Biophys. Res. Comm.</i> , 211:1015-1022 (1995).	
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Application Number

09/724,319

Filing Date

November 27, 2000

First Named Inventor

Schenk, Dale B.

Group Art Unit

1647

Examiner Name

Turner, Sharon NICHOLS

Attorney Docket Number

15270J-004743US

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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SD	250	NAKAMURA et al., "Histopathological studies on senile plaques and cerebral amyloid angiopathy in aged cynomolgus monkeys," <i>Edu. Anim.</i> , 43:711-718 (1995).
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Application Number	09/724,319
Filing Date	November 27, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1647
Examiner Name	Turner, Sharon NICHOLS

Attorney Docket Number

15270J-004743US

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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CS	274	WEINER et al., "Nasal administration of amyloid- β peptide decreases cerebral amyloid burden in a mouse model of Alzheimer's disease," <i>Annals of Neurology</i> , 48:567-578 (2000).	
	223	Wisconsin Alumni Research Foundation, "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Sclerophaek," U.S. Govt. Rec. Develop. Rep., 70(24), 58. (Publication date unknown.)	
	275	WU, et al., "Drug targeting of a peptide radiopharmaceutical through the primate blood-brain barrier in vivo with a monoclonal antibody to the human insulin receptor," <i>J. Clin. Invest.</i> , 100:1804-1812 (1997).	
✓	282	YAMAGUCHI et al., "Diffuse plaques associated with astroglial amyloid β protein, possibly showing a disappearing stage of senile plaques," <i>Acta Neuropathol.</i> , 93:217-222 (1996).	
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